

VOTRUBA, V.

"Werner Heisenberg and the physics of our time." Reviewed by V. Votruba.
Chekhoal fiz zhurnal 13 no. 9:700-701 '63.

89148
Z/006/61/000/015/001/001
E073/E535

1.1210

AUTHOR: Votruba, Vlastimil

TITLE: Explosive Forming

PERIODICAL: Technické noviny, No. 15, April 12, 1961, p.3

TEXT: Závod na výrobu vzduchotechnických zařízení (Pneumatic Equipment Manufacturing Plant), Milevsko are introducing explosive forming for the manufacture of pressure vessels (central cylindrical section for mounting on) railway wagons. Explosive forming proved successful particularly in forming cylindrical shapes into aerodynamic ones and for very high accuracy forming. Experiments were carried out on models one-third of the natural size. Analysis of this method and of test results has shown that explosive forming has to be judged from a number of points of view. The choice of the explosive depends on the transfer medium, the shape of the die and its dimensions, the material to be formed and the technological facilities available. A cylindrical sheet ring is placed in the die and tightened thoroughly with rubber or other packing material. The space inside the ring is filled with water into which a suitably

Card 1/2

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E073/E535

Explosive Forming

arranged charge is placed which is then ignited by an electric spark. The explosive is transformed into gases of high temperature and pressure which produce a shock-wave in the surrounding medium, the front of which propagates at high speed and pushes ahead of it the medium which originally surrounded the charge. In the given case this medium was water, which is an ideal medium for transmitting high pressures. Explosive forming is economical for very large components and components of difficult shape. In the case of very tough materials, the quality of forming is determined by the explosive. The shape of the explosive determines the characteristic of the process of propagation of the energy and the pressure as a function of time. Introduction of explosive forming was proposed by the Assistant Technical Director Josef Poláček; the chief technologist, Jiří Lauterbach and technologists Robert Vošahlik and Bohumil Kulíšek participated in the work. There is 1 figure.

[Abstractor's note: this is a complete translation.]

Card 2/2

VOTRUBA, V.

SCIENCE

Periodical CESKOSLOVENSKY CASOPIS PRO FYSIKU. Vol. 8, no. 1, 1958.

VOTRUBA, V. The scientific work of Professor Z. Matyas. p. 145.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

VOTRUBA, V.

SCIENCE

Periodical CESKOSLOVENSKY CASOPIS PRO FYSIKU. Vol. 8, no. 1, 1958.

VOTRUBA, V. Professor Dr. Zdenek Matyas is dead. p. 1.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

YUGOSLAVIA / Physical Chemistry. Molecule. Chemical B-4
Bond.

Abs Jour: Ref Zhur-Khimiya, No 2, 1959, 3564.

Author : Weber, O. A. and Vouk, V. E.

Inst : Not given.

Title : On the Molecular Extinction Coefficient of
Dithizone and of Lead Dithizonate in CCl_4 .

Orig Pub: Bull Scient Conseil Acad RPFY, 3, No 2, 52
(1956) (in German).

Abstract: The extinction coefficients of solutions of dith-
azone (I) and of lead dithizonate (II) in CCl_4
have been measured. The measurements were made
at λ (max) 620 and 520m μ . Values of ϵ . I =
 $3.64 \cdot 10^4$ and ϵ . II = $7.29 \cdot 10^4$ were obtained.
-- V. Koryazhkin.

Card 1/1

VOGRUBEK, Ct.

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Prague, Sbornik Ceskoslovenske Spolecnosti Zemepisne, Vol 66, No 4, 61, pp 303-304.

Data: "The Prague Branche of CsSZ /Ceskoslovenska Spolecnost Zemepisna; Czechoslovak Geographical Society/"

GPO 981643

VOTRUBEC, Ct.

"Outline of urban geography" by Pierre George. Reviewed by
Ct.Votrubec. Sbor zem 68 no.3:270-271 '63.

VOTRUBEC, C.

Economic development of Ethiopia. Sbor zem 69 no.4:326-327 '64.

A new capital, Islamabad. Ibid.:330

Problems of seawater desalinization. Ibid.:332-333

"Problems of underdeveloped countries from the viewpoint of economic geography" by Leopold Scheidl, Reviewed by C.Votrubaec. Ibid.:347-348

"Nomads and nomadism in the Sahara." Reviewed by C.Votrubaec.
Ibid.:351

VOTRUBEC, C.; KAHOUN, F.

Periodical "Revue geographique de l'Est." Reviewed by C.Votrubec,
F.Kahoun. Sbor zem 69 no.4,345 '64.

VOTRUBEC, C.

Petroleum pipelines in the United Arab Republic. Sbor zbr
68 no.4:341-343 '63.

VOTRUBEC, Ctibor

Symposium on the research relating to underdeveloped countries. Vestnik CSAV 73 no. 1: 97-100 '64.

VOTRUEEC, Ctibor, dr., CSc.

Tasks of the geodetic and cartographic services in under-developed countries. Geod kart obzor 9 no.11:305-306 N'63.

VOTRUBEC, Ct.

"Bratislava in pictures" by Jan Versik. Reviewed by Ct.
Votrubec. Sbor zem 68 no.3:274 '63.

VOTRUBEC, Ct.

"City of Havírov, geographical characteristics" by Ladislav
Zapletal. Reviewed by Ct. Votrubec. Sbor zem 68 no. 3:2'5-276 '63.

VOTRUBEC, Ct.

The 20th International Geographical Congress. Sbor zem 68 no.3:268-269
'63.

VOTRUBEC, Ctibor

The problem of new settlements and towns in Czechoslovakia. *Vestnik*
CSAV 71 no.4:372-383 '62.

VOTRUBEC, Ctibor

New towns and settlements in the North-Bohemia region. Sbor zem 68
no.1:29-31 '63.

VOTRUBETS, T.S. [Votrubec, C.]

Ninth Congress of Czech Geographers. Izv.Vses.geog.ob.vl. 95
no.1:104-105 Ja.-P '63. (MIRA 1624)
(Czechoslovakia—Geography—Congresses)

VOTRUBEC, Ctibor .

Changes in the structure of population settlement in Czechoslovakia.
Sbor zem 68 no.1:81-83 '63.

STARKOVA, Irena; VOTRUBEK, Ctibor

Map of population distribution in Czechoslovakia 1 : 1 mil.
Sborém 68 no. 1:84-86 '63.

VOTRUBEC, Ctibor (Praha)

9th Congress of Czechoslovak Geographers. *Czasop geograf.* 34 no.1:
99-100 '63.

VOTRUBEC, C.

Formosa. p. 111. SBORNIK. Praha, (Journal issued by the Czechoslovak Geographical Society; with English and Russian summaries. Quarterly) Vol. 60, no. 2, 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress Vol. 4, No. 12, December 1955

VOTRUBEC, C.

"Coke and the chemical industry in the USA", P. 40., (SBORNIK, Vol. 59,
No. 1, 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 6, June 1955, Uncl.

VOTrubec, C.

"Development of Czechoslovak towns during the period from 1950-1956."
p. 137 (Ceskoslovenska Ethnografie, Vol. 63, no. 2, 1958,
Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 2,
September 1958

VOTRUBEC, C

"Contribution of natural growth of population migration of population to the growth of Czechoslovak cities during the years, 1954-1958.'

GEOGRAFICKY CASOPIS, Bratislava, Czechoslovakia, Vol. 11, no. 2, 1959

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59
Unclassified

VOTRUBEC, C.

"Clearing slums in Prague; a contribution to the geography of a large city."

SBORNÍK, Praha, Czechoslovakia, Vol. 6, No. 1, 1959.

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,
Vol. 8, No. 8, August, 1959.

Unclassified.

VOTRUBEC, C.; MARES, J.

"Changes in the industry of Central and Northern Bohemia during the last thirty years."

SBORNIK, Praha, Czechoslovakia, Vol. 64, No. 2, 1959.

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,
Vol. 8, No. 8, August, 1959.

Unclassified.

VOTRUBA, Vaclav

"Werner Heisenberg and the physics of our time" edited by
F. Bopp. Reviewed by Vaclav Votruba. Cs cas fys 13 no.3:
263-264 '63.

VOTRUEC, C.

"Czechoslovakia" by Antoni Wrzosek. Reviewed by C. Votruba.
Sbor zem 68 no.2:196 '63.

VOTRUBA, G.

Academician Anastas Stojakov Benksov; obituary. Sbor zem 69
no. 2-122 '64

Students from underdeveloped countries at the French universities.
Ibid. 6138-139

VOTRUBEC, C.

"Czechoslovakia" by Antoni Wrzosek. Reviewed by C. Votrubač.
Sbor zem 68 no.2 196 '63.

VOTRUBEC, C.

"Geography of Ghana" by Ernest Amado Boateng. Reviewed by
C. Votrubec. Sbor zem 68 no.2:198 '63.

VOTRUBEC, C.

The Prague Branch of the Czechoslovak Geographical Society
in 1962. Sbor zem 68 no.2:186-188 '63.

VOTRUBEC, Ctibor, dr., CSc.

Tasks of the geodetic and cartographic services in the
developed countries. Geod kart obzor 9 no. 10:281-284
0 '63

1. Geograficky ustav, Ceskoslovenska akademie ved.

VOTRUBEC, Ctibor

New residential sections of Prague. Vestnik CSAV 72 no,2:
203-213 '63.

AMS-AB

34-25
5313.92
Věstník Čsl. Zájezdu Zpřed. 4/56(1132, 1956). photo. In Czech. 16H-B.1.—A brief article dedicated to the life and work of Dr. V. J. Novák, professor of geography at the Prague University. The scientist's climatological publications are listed and his photo reproduced.
Subject Headings: 1. Obituaries. 1. Novák, V. J.—6. 1

VOTRUBEC, Josef'

New electronic tuning indicator. Sdel tech 11 n°, 5:187-188
My '63.

Votrubets Tr.

10-58-3-19/29

AUTHORS: Grushka, E., Votrubets, Ts. (Czechoslovakia)

TITLE: Second Scientific Conference on Economic Geography in Czechoslovakia (II nauchnaya konferentsiya po ekonomicheskoy geografii v Cheskoslavakii)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geograficheskaya, 1958, Nr 3, pp 129-133 (USSR)

ABSTRACT: This is a translation of a Czechoslovakian-language article (Translators Yu.A. Demidovich and Yu.L. Pivovarov) published by the Czechoslovakian Academy of Sciences.

AVAILABLE: Library of Congress

Card 1/1 1. Geography - Economic aspects - Czechoslovakia

KISELEV, N. (Kiyev); OL'SHANOV, Ye.; (Khabarovsk); RYABOV, M. (Lipetsk);
KAL'MANOVICH, M., aktivist; ROMANOV, V., inzh. (g.Izhevsk);
VOSTRYAKOV, I.

From letters. Izobr.i rata. no.12:36-37 D '59.
(MIRA 13:8)

1. Starshiy inzhener Ukrainskogo respublikanskogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Kiselev).
2. Sekretar' Khabarovskogo krayevogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Ol'shanov).
3. Fredse-datel' Lipetskogo oblastnogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Ryabov).
4. Oblastnoy sovet Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov g. Niko-layev (for Kal'manovich).
5. Planovo-tehnichesko-ekonomichevskij otdel Izhevskogo otdeleniya Kazanskoy zheleznoy dorogi (for Romanov).
6. Starshiy inzhener Byuro sodeystviya ratsionalizatsii i Izobretatel'stviu Sredneural'skogo medeplavil'nogo zavoda, g.Revda.
(Technological innovations)

CHAKABAYEV, S.Ye.; IMASHEV, N.U.; TOKAREV, V.P.; KONONOV, Yu.S.; KIRSUN, P.Ye.;
VOTSALYEVSKIY, E.S.; IVANOV, V.A.; FARAFONOVA, N.V.; SHAKHOVSKY, A.I.

Uzen' gas and oil field; outline of geology and oil and gas potentials.
Izv. AN Kazakh. SSR. Ser. geol. 21 no.4:16-30 Jl-Ag '64. (MIRA 17:11)

1. Institut geologii i geofiziki, Gur'yev.

VOTSALEVSKIY, E.S.

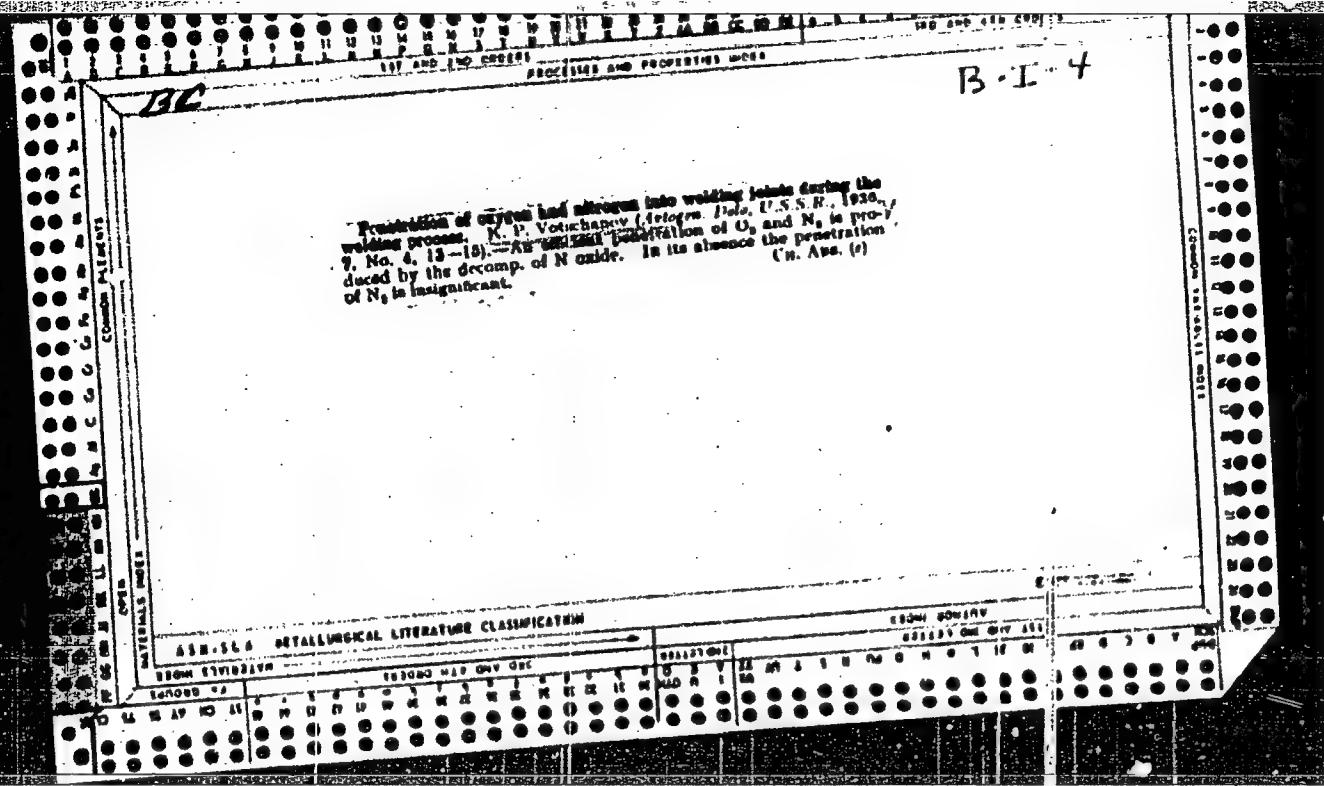
Displacement of the oil pool in the Triassic sediments of the
southern wing of the Koschagyl field. Trudy Inst. geol. i geofiz.
AN Kazakh. SSR 1:58-61 '63. [MIRA 16(7)]
(Emba region--Petroleum geology)

VOTSAPZ, B.

Hungarian Technical Abst. I. A new photoelectric photometer, based on the substitution zero method -- Helyettesítéses nullolásra alapuló új jenyelektromos fotometer -- J. Mika and B. Votsatz. (Hungarian Journal of Chemistry — Magyar Kemiai Folyoirat — Vol. 7, 1952, No. 10, pp. 291-295, 5 figs., 3 tabs.)

For the measuring of extinction the photometer is provided with a slit which makes it possible to take readings on a uniformly graduated scale fitted with a vernier. The apparatus is provided with up-to-date, narrow interference light filters which in addition have a high degree of light transmittance. The intensity of the current feeding the bulb must be kept at a constant value by means of an ammeter and a series resistance. The photometer is suitable for determining extinction values ranging from 0 to 1. It afftains a measuring accuracy of 0.01.

Gy. Teglas



VOTSEKOVSKAYA, Ye.S.

Removal of carbon disulfite from waste waters, Khim, volok, no.1:
37-38 '62.
(MIRA 18:4)

VOTSELKO, O.G. [Votselka, O.H.], inzh.-mekhanik; KIYKO, D.I. [Kiyko, D.I.],
inzh.-mekhanik

VPM-2 mounted plow for lifting out seedlings. Mekh.sil'.
hosp. 10 no. 7:30-31 J1 '59. (MIRA 12:12)
(Plows)

~~M. M. KAYLOVSKI~~ VOTSURO, A. M.

BENDERSKIY, Semen Nikolayevich, kandidat tekhnicheskikh nauk; VOTSURO,
Andrey Mikhaylovich, inzhener-mekhanik; IZNISENKOVA, A. N., redak-
tor; VOLUBKOVA, L. A., tekhnredaktor.

[Mobile grain-loading station] Peredvizhnaya stantsiya dlia po-
gruzki zerna. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam
mukomol'no-krupianoi, kombikormovoi promyshl. i elevatorno-
skladskogo khoziaistva, 1956. 31 p. (MIRA 10:6)
(Grain handling machinery)

VOTVINNIKOV, A. D.

26388 Nekotoryye voprosy bezalmaznoy pravki shlifoval'nykh krugov. Stanki i
instrument, 1949, No. 8, s. 23-24.

SO: LETOPIS' NO. 35, 1949

STANTSO, V. (Moskva); KARPENKO, V., master; FROLOV, N., slesar';
YANKOVSKIY, Ye., inzh. (g.Odessa); KAGAN, I.; YOTYAKOV, A.,
slesar' (pos.Putintsevo, Kazakhskaya SSR); YEVDOKIMOV, A.,
tokar' (Moskva)

Suggested, created, introduced. Izobr. i rats. no.8:16-17 Ag
'61. (MIRA 14:9)

1. Zavod Amurstal', g. Khabarovsk (for Karpenko, Frolov). 2.
Nachal'nik proizvodstvennogo otdela zavoda khimicheskogo mash-
inostroyeniya, g. Penza (for Kagan).
(Technological innovation)

POVOLOTSKIY, D.Ya.; VAYNSHTEYN, O. Ya.; KHRYUKINA, V.A.; VOTYAKOV,
A.A.

Content of ferrous oxide in slag before decidation and the
quality of alloyed, low-carbon, open-hearth steel. Izv.vys.
ucheb.zav.; chern.met.7 no. 4:43-47 '64. (MIRA 17:5)

1. Chelyabinskij metallurgicheskiy zavod i Chelyabinskij
politekhnicheskiy institut.

KOIKALINNO, A. S., Inzh.; KUGMINK, N.V., Inzh.; VOTYAPOV, A.D., Inzh.;
VSEKHAL'YEV, L.V., Inzh.; HUJIN, N.M., Inzh.

Sand and rubble from the wastes of asbestos enriching plants.
Sber. trud. Sverd. nauch.-issl. inst. po stront. no. 10:59-78
(MIRA 17:10)
163.

ACC NR: AP6033519

SOURCE CODE: UR/0413/66/000/018/0154/0155

INVENTOR: Khabarov, A. V.; Kozlov, V. S.; Morozov, B. A.; Myrov, V. K.; Shvchenko, B. P.; Tomilin, A. A.; Votyakov, I. A.; Burkov, A. I.

ORG: None

TITLE: A hydraulic press with weight distribution on the base components. Class 58, No. 186283 [announced by the Kolomna Heavy Machine Tool Building Plant (Kolorenskiy zavod tyazhelogo stankostroyeniya)]

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 154-155

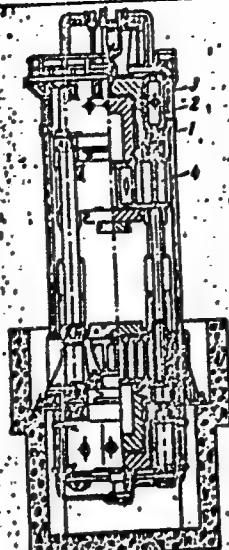
TOPIC TAGS: hydraulic equipment, metal forming press

ABSTRACT: This Author's Certificate introduces a hydraulic press with weight distribution for the base components. The installation contains a stand in the form of columns connected by crossbeams, a movable frame of similar construction located inside the stand, a lower working cylinder mounted in the lower crossbeam of the movable frame, and an upper working cylinder. Misalignment of the press under the effect of eccentric loads is prevented by mounting the upper working cylinder in the upper crossbeam of the stand with rigid connection of the plunger for this cylinder to the upper crossbeam of the movable frame.

UIN: 621.226

Card 1/2

ACC NR: AP6033519



1—upper working cylinder; 2—upper crossbeam of the stand;
3—plunger; 4—upper crossbeam of the movable frame

SUB CODE: 13/ SUBM DATE: 06AUG65

Card 2/2

VOTYAKOV, I.F.

Additional sagging of a building caused by the influence
of the foundation of an adjoining building. Osn., fund.
i mekh.grun. 8 no.1:18-20 '66.

(MIRA 19:1)

VOTYAKOV, I. F.

Settling of a building with an inclined stratification of
highly compressible soil at the foundation. Osn., fund. 1
mekh. grun. 6 no. 3:18-19 '64 (MIRA 17:7)

VOTYAKOV, I. F. Cand Tech Sci -- "Study of the ~~sinking~~^{settling} of buildings on highly
~~compressible~~
~~contractible~~ foundations under conditions of the Baltic region." Len, 1961
(Min of Higher and Secondary Specialized Education RSFSR. Len Order of Labor
Red Banner Construction Engineering Inst). (KL, 4-61, 195)

109
-280-

VOTYAKOV, I. N.

PHASE I BOOK EXPLOITATION

SOV/5483

Tsytovich, Nikolay Aleksandrovich, Innokentiy Nikolayevich Votyakov, and
Vsevolod Dmitriyevich Ponomarev

Metodicheskiye rekommendatsii po issledovaniyu osadok ottaivayushchikh gruntov
(Recommendations on Methods for Investigating Settlement of Thawing Ground)
Moscow, Izd-vo AN SSSR, 1961. 54 p. Errata slip inserted. 1,500 copies
printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut merzlotovedeniya im.
V. A. Obrucheva.

Resp. Ed.: N. A. Tsytovich, Corresponding Member, Academy of Sciences USSR;
Tech. Ed.: L. A. Lebedeva.

PURPOSE: This booklet is intended for personnel in the construction industry
and related occupations.

COVERAGE: According to the authors the booklet fills the gap in technical
literature on methods of field investigation of thawing-ground settlement.
The changes in the porosity coefficient of thawing grounds in relation to
Card 1/7

Recommendations on Methods (Cont.)

SOV/5483

external pressure, settlement of thawing ground and foundations, field investigation of thawing-ground settlement, and application of radioactive isotopes to such investigations are examined. Operating instructions for the GPP-4 gamma-density field meter are included, and measurement errors, observations, test data, and safety technique are discussed. Formulas to determine calculation coefficients are given. Ch. I. was written by N. A. Tsytovich, and Ch. II by I. N. Votyakov, scientific worker in the North-eastern Branch of the Institut merzlotovedeniya (Institute of Permafrost Study). V. D. Ponomarev, scientific worker in the Department of Frozen-Ground Mechanics of this institute, wrote Ch. III. There are 14 references, all Soviet.

TABLE OF CONTENTS:

Ch. I. Settlement of Foundations in Thawing Grounds	3
1. General conceptions	3
2. Dependence of changes in the coefficient of porosity of thawing grounds on the value of external pressure	3
3. Settlement of a thawing-ground layer under continuous load	5
4. Settlement of foundations in thawing grounds	6
	11

Card 2/3

VOTYAKOV, I.N.

Laboratory studies of the adfreezing strength of soil and concrete.
Trudy Sev.-Vost. otd. Inst. merz. AN SSSR no. 1:29-34 '58.
(HIRA 16:12)

VOTYAKOV, Innocentiy Nikolayevich; VYALOV, S.S., doktor tekhn. nauk, otd.
red. NIKOLAYEVA, I.N., red. izd-va; SUSHKOVA, L.A., tekhn. red.

[Physicochemical properties of permafrost grounds of Central
Yakutia] Fiziko-mekhanicheskie svoistva mnogoletnenerzlykh
gruntov TSentral'noi Jakutii. Moskva, Izd-vo Akad.nauk: SSSR,
(MIRA 14:6)
1961. 58 p.
(Yakutia--Frozen ground) (Soil mechanics)

S/123/60/000,009/009/017
A004/A001

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1960, No. 9, p. 84,
43681

AUTHOR: Votyakov, L.D.

TITLE: On the Problem of Determining the Cutting Properties of Tools and
the Machinability of Metals by Cutting 14

PERIODICAL: Tr. Ural'skogo politekhn. in-ta, 1959, Vol. 80, pp. 28-32 ✓

TEXT: The author cites the definition which is given by GOST (GOST) on the
machinability of metals by cutting and on the cutting properties of tools. The
author is of the opinion that the established criteria of machinability, based
on the magnitude of cutting speed at a given durability of the tool, is not
sufficiently complete, while a determination of the cutting properties of the
tools by the coefficient does not disclose the physical conception of the
investigated phenomenon. It is suggested, based on the interrelation between
cutting speed and tool wear, to consider the machinability as the ability of the
metal to wear out the tool under the given particular conditions, while the
cutting properties of the tool is its ability to resist wear. It is pointed out

Card 1/2

S/123/60/000/009/009/017
A004/A001

On the Problem of Determining the Cutting Properties of Tools and the Machinability of Metals by Cutting

that the most objective criterion of cutting properties of the tool is its resistance to wear or the ratio of tool wear to volumetric unit of removed metal or (for finishing machining) the ratio of tool wear to unit of area of machined surface. The author presents a formula for the determination of volume of worn away tool material in mm^3 per volume unit of removed metal in cm^3 per 1,000 m of tool travel. Citing examples it is shown that the suggested criteria are convenient for the determination of the cutting properties of the tool depending on the cutting conditions for the comparison of the machinability of different metals, and for the comparison of the cutting properties of tools made of the same material. It is pointed out that the data on the specific wear may be converted into the cutting speed magnitude at a given durability and could be made use of as correction factors for the determination of cutting conditions. ✓

B.I.L.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

TSYTOVICH, Nikolay Aleksandrovich; VOTYAKOV, Innocenty Nikolayevich,
nauchnyy sotrudnik; PONOMAREV, Vsevolod Dmitriyevich, nauchnyy
sotrudnik; LEBEDEVA, L.A., tekhn.red.

[Methodological recommendations on the investigation of the
settling of thawing ground] Metodicheskie rekomendatsii po
issledovaniu osadok ottaivaiushchikh gruntov. Moskva, Izd-vo
Akad.nauk SSSR, 1961. 51 p. (MIRA 14:1)

1. Chlen-korrespondent AN SSSR (for TSytovich). 2. Severo-
Vostochnoye otdeleniya Instituta merslotovedeniya (for Votyakov).
3. Otdel mekhaniki merslykh gruntov Instituta merslotovedeniya
(for Ponomarev).

(Frozen ground)

VOYTKOVSKIY, K.F.; VOTYAKOV, I.N.

Conditions governing the construction in the Mirnyy region in the
Yakut A.S.S.R. Trudy Sev.-Vost. otd. Inst. morzl. AN SSSR n.1:21-28
'58. (DRA 16:12)

VOTYAKOV, I. N.

Connection between the amount of unfrozen water in frozen ground
and the hygroscopic moisture of the ground. Izv. Sib. otd. AN SSSR
no. 3:17-25 '60. (MIRAI3:10)

1. Severo-Vostochnoye otdeleniye Instituta merzlotovedeniya
imeni V.A. Obrucheva AN SSSR.
(Frozen ground) (Soil moisture)

VOTYAKOV, L.D.

GORELOV, V.M.; VOTYAKOV, L.D., inzhener, rezensent; DUGINA, N.A.
tekhnicheskiy redaktor

[The shape of cutting tools] Geometriia rezhushchikh instrumentov.
2-e izd. Moskva, Gos. nauchno-tekhn. izd-vo mashino-stroitel'noi lit-
ry, 1954. 51 p. (Nauchno-populiarnaia biblioteka rabochego stanochni-
ka, no.6) (MLRA 8:3)
(Metal cutting tools)

VOTYAKOV, L.D.; IL'NITSKY, I.I.; LOSKUTOV, V.V.; SHALIN, G.M.

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Page 62

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SOV/16-59-6-23/46

17(2)

AUTHORS: Votyakov, V.I. and Zubitsker, D.Ye.

TITLE: The Belorussian Institute of Epidemiology, Microbiology and Hygiene on the Occasion of the 40th Anniversary of the Belorussian SSR

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1959, Nr 6, pp 112-117 (USSR)

ABSTRACT: This is a history of the Belorusskiy institut epidemiologii, mikrobiologii i gigiyeny (Belorussian Institute of Epidemiology, Microbiology and Hygiene), its activities and some of its scientific associates. Among the well-known scientists who received their training at the Institute are: Honored Scientist, Doctor of Medical Sciences, Professor B.Ya. El'bert, Corresponding Member of the AMN, USSR, Doctor of Medical Sciences, Professor E.K. Mogilevchik, Doctor of Medical Sciences, Professor I.A. Sutin, Doctor of Medical Sciences S.I. Gel'berg, Docents and Senior Scientific Associates I.S. Rubinshteyn, V.I. Votyakov, A.O. Sakovich, D.Ye. Zubitsker, Ye.Ye. Sokgobenzon, B.B. Rubinshteyn, G.I. Rakhmanchik, Candidates of Medical Sciences M.Sh. Levin, R.I. Levina, A.V. Gritskevich, Ts.A. Perlis, L.I. Nikonorovich, etc. The Institute produces one of the best tuberculosis vaccines in the USSR. It has conducted a number of investigations (Brandin,

Card 1/5

SOV/16-59-6-23/46

The Belorussian Institute of Epidemiology, Microbiology and Hygiene on the Occasion of the 40th Anniversary of the Belorussian SSR

Frid, etc.) to improve the microbiological methods of diagnosing tuberculosis. The Institute has studied the importance of the neuroreceptor areas in rabies infection in animals and in immunization with rabies antivaccine. Zubitsker and Korotkevich have developed a method of determining the immunogenic properties of rabies vaccines by infecting immunized mice with fixed rabies virus. Attempts are being made to prepare a dry rabies vaccine. The Institute has devised experimental techniques for estimating the virulence of small-pox vaccine in guinea pigs, has carried out clinical investigations on immunized children and studied means of preserving the heat-resistance and immunogenic properties of small-pox vaccine. Studying the mechanism of paratyphoid B fever and immunity, Rabinovich showed the importance of the barrier function of the Mechnikov macrophage system and the other elements of the reticulo-endothelial system. Attempts to improve dysentery bacteriophage were made by using the technique of guided variation of *Shigella shigae* and *Escherichia coli*. Manolov, Rakhmarchik, Kruglik, Kulikova and Timofeyeva in 1955 tried to rationalize the different methods of dysentery diagnosis. Studies of nidi of infections caused by pathogenic *Escherichia coli* have also been performed. In its work on diphtheria the Institute has done

Card 2/5

SOV/16-9-6-23/46

The Belorussian Institute of Epidemiology, Microbiology and Hygiene on the Occasion of the 40th Anniversary of the Belorussian SSR

research in: the selection of horses for diphtherial hyperimmunization, preserving immune sera with chinosol, the titration of immune sera and the reactive properties of crude, heated and refined sera, the removal of ballast proteins from sera (Levin and Sosina). A number of bacteriological and experimental investigations have established the desensitizing action of novocaine and the magneic drugs, also the desensitizing and antibiotic properties of citral. Livshits, Agronovich, Bukhovtsova, etc. have demonstrated that citral has good therapeutic effects in furunculosis, postnatal infections, stubborn forms of rheumatic polyarthritis and shin ulcers. Votyakov and Nikonorovich have demonstrated the importance of functional changes in the central nervous system in the pathogenesis of gas gangrene. The Institute has developed a method for the differential diagnosis of the scleroma bacillus from the other microbes in the capsule group, using agar-microscopy, and has described new varieties of bacilli in this group. It constantly organizes expeditions to study the epidemiology of scleroma in Belorussia and has also taken an active part in the anti-malaria campaign. Studies have been made of the natural foci of tularemia in Belorussia and the Institute has demonstrated the effectiveness of vaccination against this disease. The Institute's workers have

Card 3/5

SOV/16-59-6-23/46

The Belorussian Institute of Epidemiology, Microbiology and Hygiene on the Occasion
of the 40th Anniversary of the Belorussian SSR

traced the source of brucellosis to cattle and attribute the spread of leptospiroses to field and domestic rodents. Protas, Savitskiy, etc. have put forward the hypothesis that the seasonal outbreaks of encephalitis in Belorussia are caused by infected goat's milk. Selivanov, Zubitsker and Votyakov have studied the etiology and epidemiology of influenza and the efficacy of influenza vaccination. Studies have also been made on: the epidemiology and early diagnosis of epidemic hepatitis, aldolase activity as an index to the diagnosis of Botkin's disease, the efficacy of intradermal immunization with the Salk vaccine. The Institute is investigating the sporadic outbreaks of typhus and is working on a method for preparing a rickettsiosis antigen from lice adapted to rabbits (Kosobutskiy). Indications have been received that trichinosis is widespread among wild animals in Belorussia. Trichinelle antigens have been prepared and immunological methods of diagnosing this disease worked out. Similar work has been performed on diseases caused by tapeworms, enteritic protozoa and Toxoplasma. New laboratories have been set up to produce

Card 4/5

SOV/16 59-6-23/46

The Belorussian Institute of Epidemiology, Microbiology and Hygiene on the Occasion
of the 40th Anniversary of the Belorussian SSR

gamma-globulin, diagnostic preparations, including dysenteric, typhoid,
scleroma, dry complement and hemolytic sera. The Institute has mastered
the production of antirabies vaccine from sheep's brains. The Institute
works in close cooperation with the Belorussian public health service
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Card 5/5

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(Hydrogenation) (Ethylene) (Deuterium compounds)